Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/13/2017 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/17/2017 11:48 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124384	-1	1.54	124206	1.55
Blue	F	SSC	125000	123827	-1	3.07	124048	2.93
Blue	E	FITC	23795	22930	-4	2.62	1023	11.00
Blue	D	PE	29673	29279	-2	2.19	1051	9.96
Blue	B	PerCP-Cy5-5	48943	48369	-2	3.57	1390	17.18
Blue	A	PE-Cy7	44112	43700	-1	5.36	671	37.07
Red	C	APC	54273	53631	-2	2.84	3086	9.63
Red	A	APC-Cy7	54945	54558	-1	2.77	1136	11.31
Violet	B	V450	15756	15168	-4	3.71	726	9.02
Violet	A	V500	62569	60649	-4	3.50	2684	6.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19212	3.75	613	-1	N/A	N/A	Pass
Blue	F	SSC	61259	1.74	549	3	N/A	N/A	Pass
Blue	E	FITC	113	40.12	549	-1	0.0176	89	Pass
Blue	D	PE	230	29.99	548	2	0.1617	280	Pass
Blue	B	PerCP-Cy5-5	217	47.30	638	-1	0.0099	162	Pass
Blue	A	PE-Cy7	71	129.04	694	-5	0.0111	21	Pass
Red	C	APC	362	28.31	600	0	0.0197	81	Pass
Red	A	APC-Cy7	124	40.56	578	-6	0.0054	1438	Pass
Violet	B	V450	88	40.85	473	1	0.0414	1483	Pass
Violet	A	V500	194	23.34	500	1	0.0137	428	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.25	-31.01	0.90
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.09	13.27 - 19.91	N/A	N/A	31.35	31.51	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14537

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments